GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:2514
ANSWERED ON:16.03.2017
Renewable Energy Sources
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Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether the renewable energy sources and technologies have potential to provide solutions to the long-standing energy problems being faced by the developing countries like India;
(b) if so, the details thereof;
(c) whether the renewable energy sources like wind energy, solar energy, geothermal energy, ocean energy, biomass energy and fuel cell technology are successfully tapped by the Government;
(d) if so, the details thereof, source wise;
(e) whether all the States are launching such projects; and
(f) if so, the details thereof?

Answer

THE MINISTER OF STATE FOR POWER, COAL, NEW & RENEWABLE ENERGY AND MINES (INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a) & (b): Yes Madam, the renewable energy sources have a potential to provide sustainable energy in the country. A potential of 1096 GW has been estimated from various renewable energy sources in the country. The state-wise details of the potential available under various renewable energy sources i.e. Solar, Wind, Small Hydro Power and Biopower is given in Annexure-I.
(c) to (f): The renewable energy sources i.e. Wind Energy, Solar Energy, Small Hydro Power, and Biopower are successfully being tapped by the Government. As on 31-12-2016, a total capacity of 50018 MW of Grid Interactive Renewable Power has been installed in the country from various renewable energy sources which include 9012.69 MW from Solar Power, 28700.44 MW from Wind Power, 4333.85 MW from Small Hydro Power and 7971.02 MW from Biopower. The state-wise and source-wise achievement, reported upto 31-12-2016, under various renewable energy sources is given in Annexure-II.
No Commercial projects have been set up using Geothermal, Ocean as Fuel Cell technologies.
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